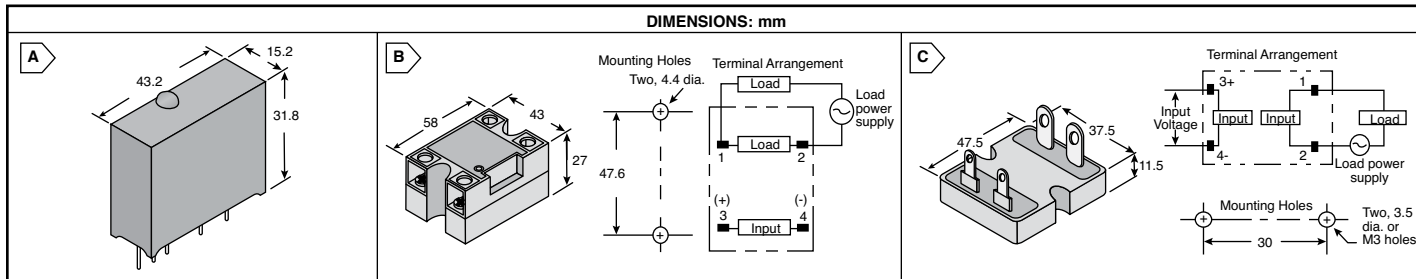


# OMRON I/O Modules and Solid State Relays



## OMRON G3TC SERIES: SOLID STATE RELAYS I/O MODULES

- Features:**
- Zero cross function on AC models
  - AC and DC versions incorporate a rectifier to accept both AC or DC inputs
  - Use I/O SSRs as an interface between logic circuitry and the load
  - Industry standard footprint and color coding
  - Built-in hold down screw fastens relay to board to eliminate loosening by vibration



### Input Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Input	Input Operating Voltage Range (VDC/AC)	Logic Level Output Supply Voltage (VDC)	Price Each			
							1	25	50	100
653-G3TC-IAC15-A120	G3TC-IAC15-AC/DC120	A	Yellow	AC	90-140	15	10.59	9.92	9.47	9.08
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	White	DC	10-32	5	10.58	9.92	9.47	9.06

### Output Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Output	Rated Input Voltage (VDC)	Rated Output Voltage	Price Each			
							1	25	50	100
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	Black	AC	5	3A @ 120VAC	11.01	10.31	9.85	9.50
653-G3TC-OAC24-DC24	G3TC-OAC24-DC24	A	Black	AC	24	3A @ 120VAC	11.55	10.91	10.27	9.62
653-G3TC-ODC15-DC15	G3TC-ODC15-DC15	A	Red	DC	15	3A @ 60VDC	11.22	10.51	10.04	9.61
653-G3TC-ODC24-DC24	G3TC-ODC24-DC24	A	Red	DC	24	3A @ 60VDC	11.59	11.01	10.26	9.72
653-G3TC-ODC5A-DC5	G3TC-ODC5A-DC5	A	Red	DC	5	1A @ 200VDC	12.03	11.29	10.77	10.42

## OMRON G3NA SERIES: 5-40A SOLID STATE RELAY

- Specifications:**
- Zero cross function
  - Leakage current: 5mA @ 100VAC; 10mA @ 200VAC operation
  - \*Output load is rated with use of heat sink.
- Features:**
- Built-in MOV to absorb external surges
  - Operation indicator (amber LED) for monitoring
  - Protective cover



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	*Rated Load	Isolation	Price Each				
						1	25	50	100	
<b>AC Operated</b>										
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	100-200VAC	5A	Photocoupler	21.00	19.35	17.85	17.31	
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	100-200VAC	10A	Photocoupler	18.51	15.92	15.01	14.15	
653-G3NA220BAC100120	G3NA-220B-AC100-120	B	100-120VAC	20A	Phototriac	24.43	20.40	19.24	18.14	
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	100-200VAC	25A	Photocoupler	22.23	18.73	17.66	16.65	
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	200-240VAC	25A	Photocoupler	26.50	25.00	23.55	22.60	
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	100-200VAC	40A	Phototriac	33.28	30.25	28.52	26.88	
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	200-240VAC	40A	Phototriac	33.28	30.25	28.52	26.88	
653-G3NA-440BAC100240	G3NA-440B-AC100-240	B	100-240VAC	40A	Photocoupler	100.36	93.89	86.88	83.15	
<b>DC Operated</b>										
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	5-24VDC	5A	Phototriac	13.63	12.40	11.69	11.01	
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	5-24VDC	10A	Photocoupler	12.94	11.96	11.28	10.62	
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	5-24VDC	25A	Photocoupler	17.70	15.55	14.66	13.82	
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	5-24VDC	40A	Phototriac	30.37	27.13	25.58	24.11	
653-G3NA-425BDC5-24	G3NA-425B-DC5-24	B	5-24VDC	25A	Photocoupler	53.33	51.80	50.28	48.75	
<b>Heat Sinks</b>										
653-Y92B-A100	Y92B-A100				Standard mount for 5, 10 and 40A relays	11.72	10.85	10.12	9.40	
653-Y92B-A150N	Y92B-A150N				Standard mount for 25 and 40A relays	16.23	15.02	14.02	13.02	
653-Y92B-N50	Y92B-N50				Track mount for 5 and 10A relays	11.04	10.22	9.54	8.86	
653-Y92B-N150	Y92B-N150				Track mount for 25 and 40A relays	22.54	20.86	19.47	18.08	
<b>Mounting Track and Accessories</b>										
653-PFP-50N	PFP-50N				DIN rail track, 50cm (1.64 ft.)	4.64	4.38	4.22	4.08	
653-PFP-100N	PFP-100N				DIN rail track, 1 m (3.28 ft.)	6.06	5.70	5.38	5.10	
653-PFP-S	PFP-S				Spacer	.43	.41	.37	.35	
653-PFP-M	PFP-M				End cap	.65	.62	.57	.51	
653-R9912FORG3NA	R99-12 FOR G3NA				One-touch mounting plates	17.20	16.38	14.75	13.72	

## OMRON G3NE SERIES: COMPACT 5-20A SOLID STATE RELAYS

- Specifications:**
- Zero cross function
  - Leakage current: 5mA @ 100VAC; 10mA @ 200VAC
  - \*Output load is rated with use of heat sink.
- Features:**
- Built-in MOV to absorb external surges
  - Dedicated, compact aluminum PCB and power elements used
  - Quick-connect #110 input terminals and #250 output connections



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage (VDC)	*Rated Load	Isolation	Price Each				
						1	25	50	100	
653-G3NE-205T-US-DC5	G3NE-205T-US-DC5	C	5	0.1-5A	Phototriac	11.64	10.59	10.14	9.55	
653-G3E-210T-US5	G3NE-210T-US-DC5	C	5	0.1-10A	Phototriac	12.19	11.64	11.15	10.50	
653-G3E-220T-US5	G3NE-220T-US-DC5	C	5	0.1-20A	Phototriac	14.27	13.63	13.05	12.30	
653-G3E-210T-US12	G3NE-210T-US-DC12	C	12	0.1-10A	Phototriac	12.79	11.64	11.15	10.50	
653-G3E-220T-US12	G3NE-220T-US-DC12	C	12	0.1-20A	Phototriac	15.23	14.33	13.43	12.53	
653-G3E-210T-US24	G3NE-210T-US-DC24	C	24	0.1-10A	Phototriac	12.31	11.64	11.15	10.50	
653-G3E-220T-US24	G3NE-220T-US-DC24	C	24	0.1-20A	Phototriac	14.40	13.56	12.72	12.55	
**653-G3NE-220TLUSD24	G3NE-220TL-US-DC24	C	24	0.1-20A	Phototriac	18.27	17.30	16.12	15.41	
<b>Heat Sinks</b>										
653-Y92B-N50	Y92B-N50				Track mount for 10A relays	11.04	10.22	9.54	8.86	
653-Y92B-N150	Y92B-N150				Track mount for 20A relays	22.54	20.86	19.47	18.08	